

Serial No. 10/734,266
Response dated December 16, 2004 in
Reply to Office Action of September 29, 2004

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A cleaning device for use with a floating member that is adapted to float substantially adjacent to, and to extend below, extends below a fluid surface level in a recirculating fluid system that contains containing surface contaminants, said cleaning device comprising:

an absorbent body member having an active surface portion adapted to operatively absorb said surface contaminants from said fluid surface level; and

a securing means for removably securing said absorbent body member to said floating member and for ensuring buoyancy of said absorbent body member substantially adjacent to and in floating relation with said fluid surface level, said securing means comprising a substantially central aperture formed at least partway through a bottom surface of said absorbent body member to provide a substantially continuous interior securing surface, with said substantially continuous interior securing surface being adapted to removably secure said absorbent body member to said floating member in substantially fixed relation.

Claim 2 (cancelled).

Claim 3 (currently amended): A cleaning device according to claim 1 2, wherein said absorbent body member comprises a porous absorbent material.

Claim 4 (original): A cleaning device according to claim 3, wherein said active surface portion comprises a furrowed surface portion adapted to absorb said surface contaminants.

Claim 5 (original): A cleaning device according to claim 4, wherein said furrowed surface portion comprises two or more regularly dimensioned furrow segments.

Claim 6 (currently amended): A cleaning device according to claim 5, wherein said absorbent body member has a substantially circular planar outline, with each of said furrow segments operatively extending upward from said fluid surface level, and extending radially inward along a top surface of said absorbent body member.

Claim 7 (original): A cleaning device according to claim 6, wherein said interior securing surface is shaped and dimensioned to removably secure said absorbent body member to said floating member by frictional means.

Claim 8 (original): A cleaning device according to claim 7, wherein said absorbent body member is adapted to be cleaned and reused.

Claim 9 (currently amended): A cleaning device according to claim 8, wherein, when said absorbent body member is secured to said floating member as aforesaid, said absorbent body member is adapted to resist being drawn into a flow inlet of said recirculating fluid system.

Claim 10 (original): A cleaning device according to claim 9, wherein said substantially central aperture is formed completely through said absorbent body member from said bottom surface.

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Claim 11 (currently amended): A cleaning device according to one of claims 9 and 10, wherein said porous absorbent material is selected from a the group consisting of natural sponges, open-cell oil-absorbing foam, compressible open-cell polyolefin foam, polyethylene foam, closed-cell foam, and combination open and closed cell foam.

Claim 12 (currently amended): A cleaning device in combination with a floating member for dispensing a disinfectant agent into a recirculating fluid system, said recirculating fluid system defining a fluid surface level and containing surface contaminants, said combination comprising:

- (a) said floating member having an upper portion adapted to float substantially adjacent to said fluid surface level, and a lower portion engaging said upper portion and extending below said fluid surface level, said floating member also having a means for dispensing said disinfectant agent into said recirculating fluid system;
- (b) said cleaning device comprising:
 - (i) an absorbent body member having an active surface portion adapted to operatively absorb said surface contaminants from said fluid surface level, with said active surface portion comprising a furrowed surface portion adapted to absorb said surface contaminants, and with said absorbent body member comprising a porous absorbent material; and
 - (ii) a securing means for removably securing said body member to said floating member, said securing means comprising a substantially central aperture formed at least partway through a bottom surface of said absorbent body member to provide an interior securing surface, said interior securing surface adapted to removably secure said absorbent body member to said floating member as-aforesaid; and such that when said absorbent body member is secured to said floating member as-aforesaid, said combination is adapted to resist being drawn into a flow inlet of said recirculating fluid system.

Claim 13 (original): A combination according to claim 12, wherein said disinfectant agent comprises a water-soluble halogen.

Claim 14 (original): A combination according to claim 13, wherein said furrowed surface portion comprises two or more regularly dimensioned furrow segments.

Claim 15 (original): A combination according to claim 14, wherein said absorbent body member has a substantially circular plan outline, with each of said furrow segments operatively extending upward from said fluid surface level, and extending radially inward from said substantially circular plan outline along a top surface of said absorbent body member.

Claim 16 (original): A cleaning device according to claim 15, wherein said interior securing surface is shaped and dimensioned to removably secure said absorbent body member to said floating member by frictional means.

Claim 17 (original): A cleaning device according to claim 16, wherein said absorbent body member is adapted to be cleaned and reused.

Claim 18 (original): A cleaning device according to claim 17, wherein said substantially central aperture is formed completely through said absorbent body member from said bottom surface.